**Prashanth Gundedi** – Full Stack .NET Developer  
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**ABOUT ME**

Highly accomplished .NET Full Stack Developer with over 5 years of experience in designing, developing, and deploying scalable, enterprise-grade solutions across healthcare, finance, and e-commerce domains. Expert in .NET 8/7/6, microservices, and cloud-native architectures using Azure, AWS, and GCP. Proven ability to modernize legacy systems, integrate AI/ML and real-time analytics, and drive cross-functional Agile teams. Skilled in DevOps, performance tuning, and security compliance including OAuth2, OpenID Connect, and Zero Trust principles.

**PROFESSIONAL SUMMARY**

* Proven expertise in designing and delivering cloud-native applications using .NET 8, ASP.NET Core, .NET Core, Blazor, and MAUI, optimized for scalability, performance, and resiliency
* Successfully modernized legacy monoliths into microservices using Domain-Driven Design (DDD), CQRS, and event sourcing, across healthcare, retail, and financial industries
* Strong hands-on proficiency in Azure (AKS, Functions, Cosmos DB), AWS (Lambda, ECS, DynamoDB), and GCP (Cloud Run, BigQuery), leveraging both serverless and containerized models
* Deep experience in event-driven systems using Apache Kafka, RabbitMQ, Dapr, Azure Event Hub, and Redis Streams for real-time and asynchronous communication
* Advanced DevOps and SRE capabilities with CI/CD pipelines (GitHub Actions, Azure DevOps, Jenkins, ArgoCD), infrastructure as code (Terraform, Bicep, Pulumi), and Kubernetes orchestration with Helm
* Designed blue-green and canary deployment strategies, enabling zero-downtime releases and continuous delivery in production environments
* Integrated AI/ML workflows and Generative AI (OpenAI, Azure OpenAI) for recommendation engines, chatbot automation, and predictive insights
* Strong understanding of security and compliance standards, including OAuth2, OpenID Connect, SAML, JWT, Zero Trust Architecture, HIPAA, SOC2, and GDPR
* Demonstrated leadership in Agile/Scrum teams: led sprints, coached junior developers, and mentored cross-functional teams in best practices, clean architecture, and CI/CD excellence
* Proactive in stakeholder collaboration, technical roadmapping, and translating business requirements into scalable engineering solutions
* Adept at cloud cost optimization, performance tuning, resilient architecture, and fault-tolerant systems for enterprise-grade reliability
* Hands-on with observability and monitoring tools including OpenTelemetry, Grafana, Prometheus, ELK Stack, Dynatrace, and Application Insights
* Recognized for fostering a culture of innovation, continuous improvement, and high-performing engineering teams

**CORE CERTIFICATIONS**

* Microsoft Azure Solutions Architect Expert
* AWS Certified Solutions Architect – Professional
* Certified Kubernetes Administrator
* Microsoft Certified: DevOps Engineer Expert

**EDUCATION**

**Master of Science in Computer Science** Lindsey Wilson College, Columbia, KY 42728  
Cloud Architecture, Advanced Software Engineering, Distributed Systems, Data Science, Machine Learning, IT Project Management, Security in Cloud Computing

**Bachelor of Technology in Computer Science & Engineering** JNTUH Kukatpally 500085  
Data Structures, Algorithms, Operating Systems, Computer Networks, Database Systems, Web Development, AI Basics, Cloud Platforms

**CORE SKILLSET**

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| **Category** | **Technologies & Tools** |
| **Languages** | C#, .NET 8, .NET Core, ASP.NET Core, VB.NET, F#, Java, Python, TypeScript, JavaScript, Go, Rust |
| **Frontend & UI** | Blazor, Angular (2+ to 15), React.js, Vue.js, Svelte, MAUI, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI |
| **Backend & APIs** | ASP.NET Core Web API, REST, GraphQL, gRPC, SignalR, MediatR, AutoMapper, MassTransit, Entity Framework, Dapper, Hangfire |
| **Cloud Platforms** | Azure: Functions, App Services, AKS, Cosmos DB, Logic Apps, Bicep  AWS: Lambda, ECS, S3, DynamoDB, API Gateway  GCP: Cloud Run, BigQuery |
| **DevOps & IaC** | Azure DevOps, GitHub Actions, Jenkins, Terraform, Pulumi, Bicep, Docker, Kubernetes, Helm, ArgoCD, Spinnaker, Istio |
| **Messaging & Streaming** | Apache Kafka, RabbitMQ, Azure Event Hub, Azure Service Bus, AWS SNS/SQS, Redis Streams, Dapr |
| **Databases** | SQL Server, PostgreSQL, MySQL, Oracle, MongoDB, Cosmos DB, Cassandra, Redis, ElasticSearch, Neo4j |
| **Observability & Logging** | OpenTelemetry, Application Insights, Prometheus, Grafana, ELK Stack, Splunk, Dynatrace, New Relic |
| **Testing & QA** | xUnit, NUnit, Selenium, Cypress, Postman, Pact, JMeter, LoadRunner, Playwright |
| **Security & Identity** | OAuth2, OpenID Connect, SAML, JWT, Azure AD, IdentityServer, Key Vault, HashiCorp Vault, Zero Trust Architecture |
| **AI/ML & GenAI** | OpenAI APIs (ChatGPT, Codex), Azure OpenAI, AWS SageMaker, Azure ML, AI Chatbots, LLM Integration, GenAI Pipelines |

**SOFT SKILLS**

Leadership & Mentoring | Cross-Functional Collaboration | Agile & Scrum Expertise   
Effective Communication | Strategic Problem-Solving | Continuous Learning & Adaptability  
Time Management & Prioritization| Technical Documentation | Innovation & Initiative

**PROFESSIONAL EXPERIENCE**

**Client: Amazon, Nashville, TN Mar 2023 – Present**

**Role: Software Developer Engineer**

**Responsibilities:**

* Led the transformation of a monolithic e-commerce platform into modular, cloud-native .NET 8 microservices on EKS (Kubernetes), improving deployment speed and operational agility by 40%
* Architected and drove adoption of real-time, event-driven systems using Apache Kafka, AWS Kinesis, and DynamoDB, supporting scalable transaction processing at global scale
* Designed and implemented multi-region serverless APIs with AWS Lambda, API Gateway, and Route 53, ensuring high availability and seamless failover for mission-critical services
* Spearheaded DevOps transformation by building CI/CD pipelines with GitHub Actions, ArgoCD, and Terraform, leading to a 50% reduction in release times and increased release confidence
* Integrated AI/ML-based recommendation systems using SageMaker and OpenAI APIs, enabling real-time personalization that improved user retention by 18%
* Enforced strong enterprise security via IAM, KMS, Zero Trust policies, and compliance alignment with SOC2, ISO 27001, and GDPR requirements
* Led and mentored a team of 10+ engineers (backend, DevOps, and SREs), promoting best practices in microservices design, CI/CD, observability, and cloud cost optimization
* Acted as a technical advisor in architectural reviews, code quality gates, sprint planning, and incident postmortems, improving delivery predictability and team accountability
* Reduced infrastructure cost by 25% through autoscaling strategies, spot instance utilization, and continuous performance tuning
* Deployed full observability solutions with OpenTelemetry, Grafana, CloudWatch, and ELK, enhancing proactive monitoring and reducing MTTR by 30%
* Authored enterprise architectural playbooks, API blueprints, and reusable SDKs to promote engineering consistency and speed up team onboarding
* Led blue-green and canary deployments across multiple environments, improving release reliability and minimizing rollback incidents
* Conducted chaos engineering workshops using failure injection tooling to validate system resilience and stress-test fault recovery paths
* Championed a culture of innovation, leading internal hackathons, GenAI PoCs, and driving knowledge-sharing forums across global engineering teams

**Client: McKesson Corporation, Irving, TX** **Aug 2021 – Dec 2022**

**Role: Senior .NET Developer**

**Responsibilities:**

* Designed and deployed secure, cloud-native healthcare microservices using .NET 7, Blazor, and Azure Functions, enabling scalable and compliant patient data processing workflows
* Led the end-to-end migration of legacy on-premise systems to Azure, implementing hybrid networking, ExpressRoute, and secure identity access via Azure AD B2C
* Developed predictive analytics modules integrating Azure Machine Learning and Databricks, improving clinical insights and early intervention strategies
* Built highly resilient, event-driven service architectures using Cosmos DB, Azure Event Grid, and Azure Service Bus, ensuring guaranteed delivery and fault tolerance
* Automated infrastructure provisioning using Terraform, Bicep, and Azure DevOps Pipelines, reducing deployment times by 40% and minimizing human errors
* Applied Domain-Driven Design (DDD), CQRS, and event sourcing patterns to promote clean architecture, scalability, and testability
* Collaborated closely with clinical SMEs, business analysts, and product owners to deliver patient-centric solutions aligned with compliance and care standards
* Designed secure APIs adhering to HIPAA, HITRUST, and GDPR regulations using OAuth2, JWT, and Key Vault integration
* Optimized SQL and NoSQL database performance with indexing, caching, and partitioning strategies, resulting in 30% reduction in query latency
* Mentored a cross-functional team of junior and mid-level engineers, introducing best practices in unit testing, peer code reviews, and secure coding
* Delivered enterprise-wide observability solutions using OpenTelemetry, Application Insights, and Grafana, reducing mean time to detection (MTTD) and mean time to resolution (MTTR)
* Presented architecture optimization strategies to senior leadership, gaining approval for infrastructure modernization roadmaps
* Streamlined CI/CD workflows and release management using Azure DevOps, blue-green deployment models, and version-controlled configuration
* Organized and led technical workshops on Azure service capabilities (AKS, Durable Functions, Logic Apps) to upskill internal teams and promote knowledge sharing

**Client: Bank of America, Charlotte, NC** **May 2020 – Jul 2021**

**Role: Full Stack .NET Developer**

**Responsibilities:**

* Developed and maintained financial microservices using .NET Core, gRPC, and RabbitMQ, handling high-throughput transaction processing across multiple business units
* Led adoption of Azure cloud services for mission-critical banking workloads, including AKS, Azure Functions, Key Vault, and Service Bus, significantly enhancing system resiliency and scalability
* Engineered secure, compliant authentication flows using IdentityServer4, OAuth2, OpenID Connect, and MFA/SSO, reducing unauthorized access risks
* Collaborated with cybersecurity teams to integrate fraud detection models into live payment workflows, increasing fraud detection accuracy by over 20%
* Designed and implemented CI/CD pipelines using Azure DevOps, enabling automated builds, testing, and staged deployments with rollback mechanisms
* Performed detailed system performance tuning (e.g., caching, async I/O, batching), reducing transaction latency by 35% and boosting throughput by 50%
* Delivered key digital banking features by working cross-functionally with business analysts, product owners, and QA teams, driving high user adoption rates
* Implemented automated unit, integration, and regression testing frameworks using xUnit, Postman, and Pact, increasing test coverage and build confidence
* Built real-time Power BI dashboards backed by Azure SQL and Application Insights to monitor application health, performance KPIs, and error rates
* Deployed monitoring and observability solutions using Dynatrace, ELK Stack, and Azure Monitor, cutting incident response time by 40%
* Mentored and coached junior developers on cloud-native architecture patterns, coding standards, secure coding, and CI/CD workflows
* Led chaos engineering experiments and failure scenario simulations to evaluate service resilience under peak load and network outages
* Facilitated knowledge-sharing sessions, created reusable templates, and built internal documentation to elevate engineering consistency across teams
* Supported compliance initiatives (e.g., SOX, PCI-DSS, GDPR) by enforcing secure coding practices and managing audit documentation

**ACADEMIC PROJECT**

**Capstone Project - Smart Healthcare Management System -** Lindsey Wilson College

* Built a full-stack healthcare solution using .NET Core and Angular to manage patient records, billing, and appointment scheduling
* Integrated IoT device streams for remote patient vitals monitoring and real-time alerts
* Deployed on Azure Kubernetes Service (AKS) with containerization and CI/CD via Azure DevOps for high availability
* Applied Agile Scrum in a 5-member team to deliver a production-ready system supporting 3,000+ simulated users
* Focused on secure API development, fault tolerance, and performance testing to ensure enterprise-grade delivery

**INTERNSHIP EXPERIENCE**

**Software Development Intern – Swiggy, Hyderabad, IND** Feb 2020 -Apr 2020

* Built real-time .NET Core microservices for order tracking and logistics management
* Integrated Apache Kafka to enable event-driven updates, improving delivery accuracy by 20%
* Developed operational dashboards using React and Power BI for real-time visibility into fulfillment metrics
* Participated in Agile sprints, standups, and sprint reviews, gaining hands-on experience with Scrum methodology

**Software Engineer Intern – US Assure, Dallas, TX** Jan 2023 – Feb 2023

* Developed backend APIs using .NET Core, contributing to a policy management system for financial services
* Integrated secure RESTful APIs with external partners, adhering to enterprise security standards
* Wrote and executed unit and integration tests using xUnit and Postman, improving backend stability and test coverage